(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/011022 A2

(51) International Patent Classification[7]: H01M 2/04, 2/12, 2/36

(21) International Application Number: PCT/IT2004/000400

(22) International Filing Date: 22 July 2004 (22.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
VI2003A000146 24 July 2003 (24.07.2003) IT

(71) Applicant and
(72) Inventor: STOCCHIERO, Franco [IT/IT]; Via G. Zanella 34/A, I-36050 Montorso Vicentino (IT).

(74) Agent: ZILIOTTO, Tiziano; Contrada Porta S. Lucia, 48, I-36100 Vicenza (IT).

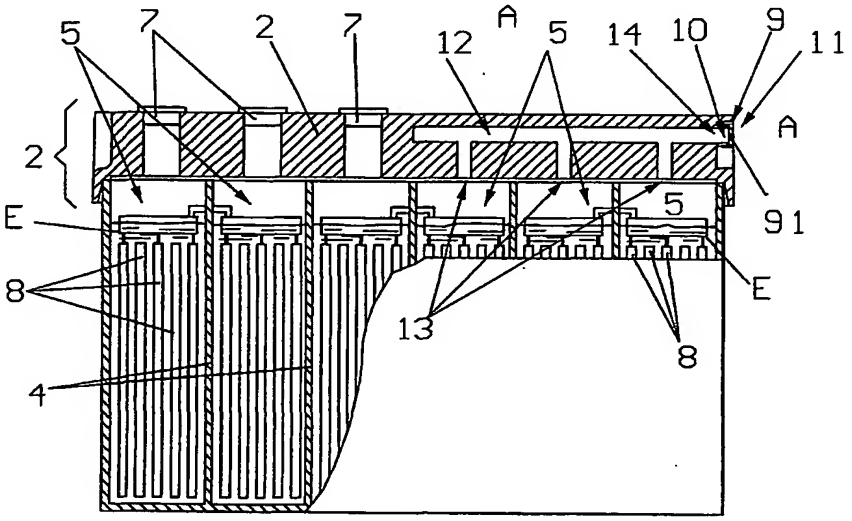
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: COVER FOR ELECTRIC ACCUMULATOR WITH FREE ELECTROLYTE AND RELATIVE ACCUMULATOR




(57) Abstract: The invention concerns a cover (2, 200, 201, 203, 204) for an electric accumulator (1, 100, 101, 102, 103, 104) and an accumulator (1, 100, 101, 102, 103, 104). The cover has a valve device (9) having an inlet (10) that communicates with the cells (5) of the accumulator and an outlet communicating (11) with the external environment (A), the valve device being adapted to prevent the leaking of electrolyte (E) from the cells (5) and to allow the disposal to the outside of the gases that develop inside the accumulator (1, 100, 101, 102, 103, 104) when the pressure in the cells (5) exceeds a predetermined value.

WO 2005/011022 A2